

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7664 (2005): Guide Posts for Press Tool Sets [PGD 4:
Metal Forming Machines]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE



भारतीय मानक
प्रैस टूल डाई समुच्चय के गाईड स्तंभ — विशिष्टि
(दूसरा पुनरीक्षण)

Indian Standard
GUIDE PILLAR FOR PRESS TOOL DIE SETS —
SPECIFICATION
(*Second Revision*)

ICS 25.120.10

© BIS 2005

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Metal Forming Machines Sectional Committee had been approved by the Medical Instruments, General and Production Engineering Division Council.

This standard was first published in 1975 covering guide post for sizes up to 50 mm diameter only. In the first revision guide post, up to 100 mm diameter were covered to include the need for large press tool sets. This revision has been taken up to update with the present changes in technology and to adopt latest practices accepted Internationally in Indian Engineering Industry. In this revision, in the title, word 'Guide Post' has been renamed as 'Guide Pillar' as it is widely used name in the industry.

Indian Standard

GUIDE PILLAR FOR PRESS TOOL DIE SETS — SPECIFICATION

(Second Revision)

1 SCOPE

This standard covers requirements for the three types of guide pillars, namely, plain, recessed and stepped guide pillar for press tool die sets.

2 REFERENCE

The following standard contains provision, which through reference in this text, constitutes provision of this standard. At the time of publication, the edition indicated was valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below:

IS No.	Title
2102 (Part 1) : 1993	General tolerances: Part 1 Tolerances for linear and angular dimensions without individual tolerance indications (<i>third revision</i>)

3 TYPE

Guide pillar for press tool die sets are classified as following three types:

- a) *Type A* — Plain guide pillar,
- b) *Type B* — Recessed guide pillar, and
- c) *Type C* — Stepped guide pillar.

4 DIMENSIONS

Dimensions of all three types of guide pillar for press

tool die sets are given in Table 1.

5 MATERIAL

Material for guide pillar shall be suitable case hardened steel with a minimum case depth of 0.8 mm.

6 HARDNESS

Guide pillar shall have hardness of 58 to 62 HRC.

7 DESIGNATION

A guide pillar Type A with round end [R] and having $d_1 = 40$ mm and $l = 200$ mm shall be designated as:

Guide pillar A R 40 × 200 IS 7664

8 MARKING

8.1 The guide pillar shall be marked at an appropriate place with the type, diameter d_1 , length of the guide pillar designation and also with the manufacturer's name or trade-mark.

8.2 BIS Certification Marking

Each guide pillar may also be marked with the Standard Mark.

8.2.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

Table 1 Dimension for Guide Pillar for Press Tool Die Sets
(Clause 4)

All dimensions in millimetres.

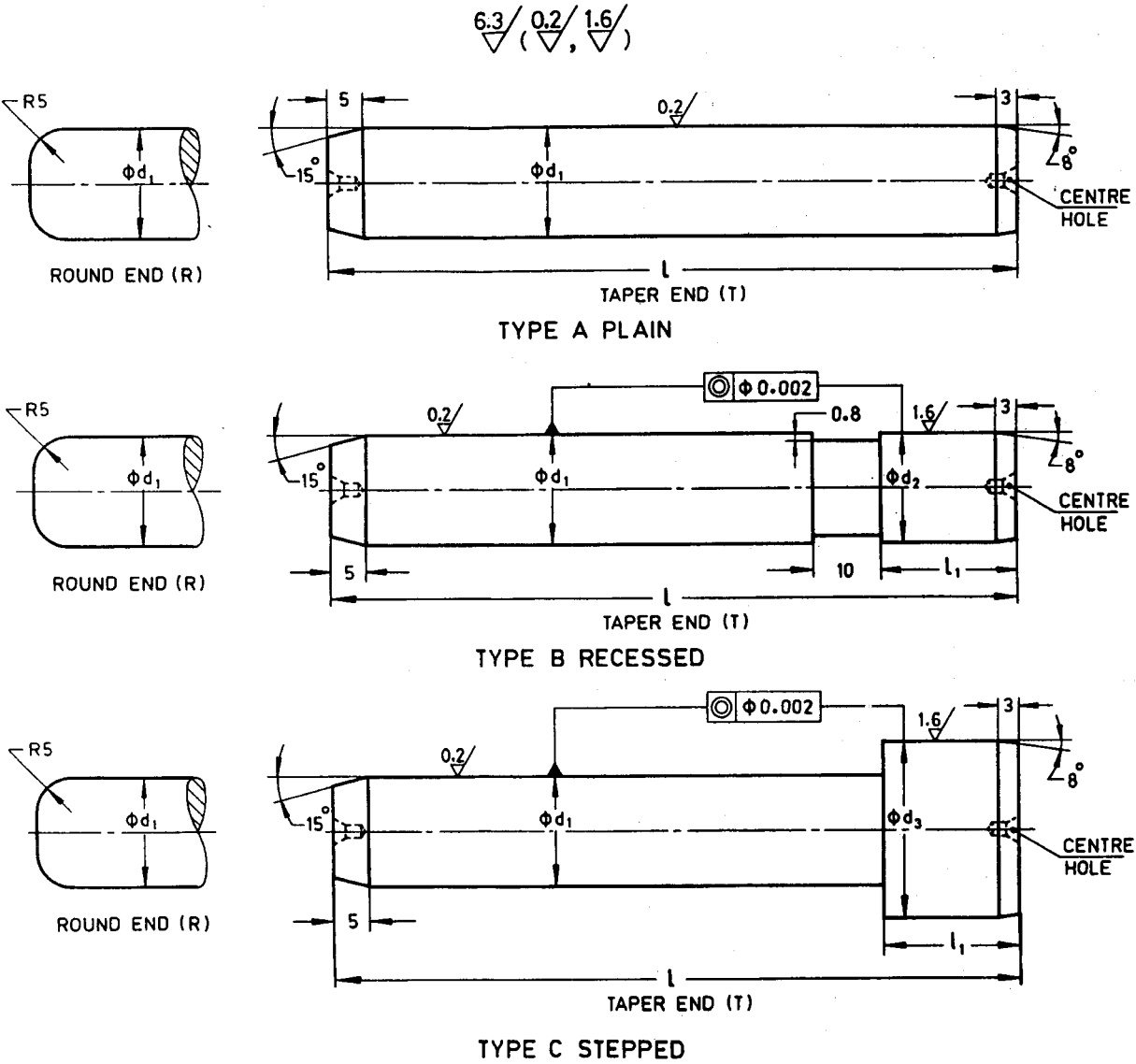


Table 1 (Concluded)

$\frac{d_1}{h^4}$	$\frac{d_2}{p^6}$	$\frac{d_3}{p^6}$	l_1	l											
15	15	26	20	100	120	130	140	150	160						
16	16	26	20	100	120	130	140	150	160						
19	19	30	25			130	140	150	160	170	180	190	200		
20	20	30	25			130	140	150	160	170	180	190	200		
24	24	38	32				140	150	160	170	180	190	200	220	
25	25	38	32				140	150	160	170	180	190	200	220	
30	30	44	40					150	160	170	180	190	200	220	240 260
32	32	44	40					150	160	170	180	190	200	220	240 260
38	38	56	50					160	170	180	190	200	220	240 260	280 300
40	40	56	50					160	170	180	190	200	220	240 260	280 300
48	48	68	63							190	200	220	240	260 280	300 350
50	50	68	63							190	200	220	240	260 280	300 350
63	63	82	80								200	220	240	260 280	300 350 400
80	80	100	100											240 260	280 300 350 400 450
100	100	120	125												260 280 300 350 400 450 500
NOTE — According to IS 2102 (Part 1) : 1993.															

Bureau of Indian Standards

BIS is a statutory institution established under the *Bureau of Indian Standards Act, 1986* to promote harmonious development of the activities of standardization, marking and quality certification of goods and attending to connected matters in the country.

Copyright

BIS has the copyright of all its publications. No part of these publications may be reproduced in any form without the prior permission in writing of BIS. This does not preclude the free use, in the course of implementing the standard, of necessary details, such as symbols and sizes, type or grade designations. Enquiries relating to copyright be addressed to the Director (Publications), BIS.

Review of Indian Standards

Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards: Monthly Additions'.

This Indian Standard has been developed from Doc: No. MGP 04 (0370).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002

Telephones: 2323 0131, 2323 3375, 2323 9402

website : www.bis.org.in

Regional Offices:

	Telephones
Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	{ 2323 7617 2323 3841
Eastern : 1/14 C.I.T. Scheme VII M, V.I.P. Road, Kankurgachi KOLKATA 700054	{ 2337 8499, 2337 8561 2337 8626, 2337 9120
Northern : SCO 335-336, Sector 34-A, CHANDIGARH 160022	{ 260 3843 260 9285
Southern : C.I.T. Campus, IV Cross Road, CHENNAI 600113	{ 2254 1216, 2254 1442 2254 2519, 2254 2315
Western : Manakalaya, E9 MIDC, Marol, Andheri (East) MUMBAI 400093	{ 2832 9295, 2832 7858 2832 7891, 2832 7892
Branches : AHMEDABAD. BANGALORE. BHOPAL. BHUBANESHWAR. COIMBATORE. FARIDABAD. GHAZIABAD. GUWAHATI. HYDERABAD. JAIPUR. KANPUR. LUCKNOW. NAGPUR. NALAGARH. PATNA. PUNE. RAJKOT. THIRUVANANTHAPURAM. VISAKHAPATNAM.	